

Tests on vehicle treated with Isollat-02 coating for noise reduction

Tests were carried out by specialists of New Automotive Technologie on May 30, 2008 on New Riga highway. VAZ-2131 (5 door Niva), produced in 2005, mileage: 120 thousand km, was used for test. Measurements were carried out using VOLTCRAFT SL-50 device (Germany). Isollat coating was applied by brush with thickness of 1-3mm.

TEST RESULTS:

	Noise level under the hood (outside) at the engine speed of 800 rpm	Noise level inside the car at idle engine speed of 800 rpm	40 km\h	60 km\h	80 km\h	90 km\h	120 km\h
Noise level before treatment	74-75 dB	78 dB	90-93dB	92-93 dB	97-98 dB	97-100 dB	101-103 dB
Noise level after treatment	68-69 dB	70 dB	86-87dB	87-88 dB	92-93 dB	93-93 dB	96-97 dB



Noise reduction by 3 dBA is subjectively perceived by ear as sound reduction of about 2 times. Dependence of change of noise expressed in dBA (logarithmic value). For example, general noise level: whispered conversation - 40 dBA, in forest (in calm weather) - 50 dBA, elevator - 70 dBA, aircraft jet engine - 140 dBA.